

To: Jeffery Robichaud[Robichaud.Jeffery@epa.gov]; Gary Welker[welker.gary@epa.gov]
From: DeLashmit, John
Sent: Mon 9/21/2015 12:11:17 PM
Subject: FW: regression calculations for Missouri nutrient criteria
[regressions.MPJ](#)
[yearly_geomeans.xlsx](#)
[Ozark Border.MTW](#)
[Ozark Highland.MTW](#)
[Plains.MTW](#)

FYI

John A. DeLashmit, P.E.

Chief, Water Quality Management Branch

USEPA Region 7

11201 Renner Boulevard

Lenexa, KS 66219

913-551-7821

913-551-9821 (fax)

From: Osborn, Mark [mailto:mark.osborn@dnr.mo.gov]
Sent: Friday, September 18, 2015 11:54 AM
To: Angelo, Robert <angelo.bob@epa.gov>; DeLashmit, John <Delashmit.John@epa.gov>
Cc: Hoke, John <john.hoke@dnr.mo.gov>
Subject: regression calculations for Missouri nutrient criteria

The attached files have calculations that were used in deriving screening levels for TN and TP, with Chl-a as a response variable. The regressions are based on yearly geometric means for individual lakes. The regressions are transformed one time using iteratively weighted least squares, as described in Helsel and Hirsch, on page 283.

Please let me know if you have any questions.

Mark Osborn

Environmental Specialist

Missouri Dept of Natural Resources

(573)522-2019

mark.osborn@dnr.mo.gov

Promoting, Protecting and Enjoying our Natural Resources. Learn more at dnr.mo.gov.